

**REMARKS**

Consideration of the present claims, in light of the attached claim clarifications and the Remarks, which follow, is respectfully requested.

Claims now before the Examiner are 1-8 and 10-31.

Support for the paragraphs inserted at column 8, between lines 52 and 53, is found in US 5,648,310 (column 8, line 46, carried over to column 9, line 9), which is incorporated by reference at column 8, line 46, in the present application.

Support for the paragraph insertion at column 12, between lines 27 and 28 is found in US 5,693,727 (column 10, lines 13-25), which is incorporated by reference at column 12, line 16, in the present application.

Support for the amendment to claim 1, is found at the newly added verbiage at column 12, between lines 27 and 28 (slurry, emulsion, solution, dispersion, or suspension).

Support for the amendments to claims 5 and 6 to  $R^8$  to  $R^{12}$  may be found at column 4, lines 57 - 65.

New claim 15 finds support at column 87, lines 45-46 (spray drying).

New claim 16 finds support at column 3, line 39 (Hf/Zr); column 3, line 50 (n); column 3, line 47 (X).

New claim 17, finds support at column 1, line 50, carried over to column 18, line 39 (catalyst description); and the newly added verbiage at column 12, lines 7-8 (slurry, emulsion, solution, dispersion, or suspension).

New claim 18 finds support at column 4, lines 43-67 ( $R^4$ ,  $R^5$ ); and in claim 5 at column 19, lines 4-7 (X).

New claim 19 finds support at column 4, lines 43-67 ( $R^4$ ,  $R^5$ ); and in claim 6, at column 196, lines 8-10 (X).

New claim 20 find support at column 3, lines 46-47 (X); at column 3, line 50 (n); and at column 3, line 39 (M).

New claim 21 finds support at column 3, lines 54-60 (L, Y, Z); column 3, lines 61-62 ( $R^1$ ,  $R^2$ ); column 4, line 1 ( $R^3$ ); and at column 4, line 17 ( $R^6$ ,  $R^7$ ).

New claim 22 finds support in claim 14, at column 20, lines 13-14 (activator); and claim 10, column 20, lines 3-4 (gas phase).

New claim 23 finds support in claim 14, at column 20, lines 13-14 (activator); and in claim 11, at column 20, lines 5-6 (slurry phase).

New claim 24 finds support in claim 12, at column 20, lines 7-8 (olefin(s)).

New claim 25 finds support at column 13, lines 9-11 (olefin(s)); and at column 6, lines 30-31 (activators).

New claim 26 finds support at column 9, lines 1-2 (carrier).

New claim 27 finds support in claim 1, at column 17, line 50, carried over to column 18, line 39 (general catalyst description); column 3, line 39 (Hf/Zr); column 3, line 47 (X); column 3, line 50 (n); column 3, line 52 (m); column 3, lines 54-60 (L, Y, Z); column 3, lines 66-67 ( $R^1$ ,  $R^2$ ); column 4, line 1 ( $R^3$ ); column 4, line 17 ( $R^6$ ,  $R^7$ ); column 4, lines 43-67 ( $R^4$ ,  $R^5$ ); and at newly added verbiage at column 12, between lines 7-8 (slurry, emulsion, solution, dispersion, or suspension).

New claim 28 finds support in claim 14, at column 20, lines 13-14 (activator).

New claim 29 finds support at column 6, lines 30-31 (activator).

New claim 30 finds support at column 8, lines 45-46 (spray dried); and newly added verbiage at column 8, between lines 52-53 (spray dried).

New claim 31 finds support in claim 1, at column 17, line 50, carried over to column 18, line 39 (general catalyst description); column 3, line 39 (Hf/Zr); column 3, line 47 (X); column 3, line 50 (n); column 3, line 52 (m); column 3, lines 54-60 (L, Y, Z); column 3, lines 66-67 ( $R^1$ ,  $R^2$ ); column 4, line 1 ( $R^3$ ); column 4, line 17 ( $R^6$ ,  $R^7$ ); column 4, lines 43-67 ( $R^4$ ,  $R^5$ ); at newly added verbiage at column 12, between lines 7-8 (slurry, emulsion, solution, dispersion, or suspension); column 6, lines 30-31 (activator); and at column 8, lines 45-46 (spray dried).

Concurrently with this paper, Applicants are filing an Information Disclosure Statement.

The claims are in condition for allowance.